

Product datasheet for **VC101141**

BBLF4 (NC_007605) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BBLF4 (NC_007605) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BBLF4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>The Viral ORF clone VC101141 represents NCBI reference of YP_401681 with codon optimized for human cell expression

Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCAGAAGAACCTCGCGCCCCGAAGCCTGAGCTCCACATTTATGCTCAATATGACTAGCGATGCTT
CAGTCAGGAGGATTGTTTCGGAGGATCGGGACCTTGGCTCGCAGAAGGGTGAACAGCTGCCGGACATGGA
GACGTTCTCCCCTGAATTCGACCCCGAAGTTCGCGAACCCCTTCTGCCTTTTACGCGCTACGTCATT
ACCGGAACCGCTGGCGCTGGAAGAGCAGCTGTGTTTCATGTTTGCACCACAGTGGACTGTCTCGTAA
CCGGCGCTACCACAGTAGCTGCCAGAACCTCTCACAGACCTGAGGGCATACTGTCCACAGTCTACTC
CGCATTTGGGTTAAAAGCCGCATATCAACATGACTCAAAGGTATCTTCTCACGGCCGGAGCACAGAT
GCCGCGCTTGAAGAGCTCAACGGAGAGACCTGGCCAAATATTGGCTGTACTGAGTGACATCGCTCGCG
AGTTTCAGGCGGACCAACCAAGGGGCTTTATAGTGGGTATCTGGACCCGCTTTCGAAGTTCTCAGGGA
CATGCATCAAGGCCAGCTTTGGACAACAATGTAAATTGGTAGATGAGGCTGGTACCCTCTCCGTACAC
ATACTGACAGCAGTGGTATTTTGTACTGGTTTTCAACGCTGGCTGAGAACACCCCTCTACCGACGAG
GAAGGATCCCCTGTATCGTTTGGTGGGACGCCCTACACAACTGACGCCTTCCAGAGCAGTTTTAGCCA
CGAGACGAGGTTAAACAAGTACGAGAAATGTGATAAATTTCTGACATTCCTGGTGGGCAACCCCGGGCA
GCAACCTACGTGGATGTGGCTAGGAATTGGGCTGTGTCATCAATAACAACCGGTGCACTGATGTTCACT
TTGGACACCTGATGAAAACCTCTGGAATATGGGCTGGAGCTCAGCCCGACATTTTGGCGTACGTGGACCG
ATTTGTGGTCCCACGCGCAGCTATCATGGATCCAGCACAGTACGTAGGTTGGACCAGAGTGTGTTTGTCC
CATGCCGAAGTTAAAACATTCCTCACACTCTGCATGCTACACTTAAGACCCCGGTCAGGACCGCGCTG
CTAGGGGGACAGGTGGCGACGGGGGAGGGCTTACAATGTTTACCTGCCCTGTTGAGTGCGAAGTCTTCT
GGATCCTCTGGCTCAATATAAAACCTTGGTTGGCCTCCCGGTTTACTGACACATACCTGGTTGCAGAAA
AATTATGCCCGGCTGGGAAATTACAGCCAATTCGCCGATCAAGATATGGTCCCAGTGGGACCGAGCAGG
ATGAAGAACGGGTGAAAGTACATACAACGTAACCTACGTTAAACATAGTAGCGTGTGAGTGAAGTAA
AACCAAAAGTCCATCTGCGGCTATACCGGTACATTTGGGGATTTTATGGATACTTTGGAAGCCGACAGT
TTCGTTGAGGCACATGGTATGAACAGCCGAGTATGTCTACAGCTTTCTCGCCCGGCTGATTTACGGCG
GCATTTACGCTTTCTCACACGGGGTATAGTCTGTGCGAGAATGGCGAGTACGTGGCAGAGCTGGGAGC
CGTTCCACTGCCCGGGCGACCTGGGACCTGAAGTGACCGCTGGAATGGAAGTGGGAGAGTTGCCTCTG
GAGGTGGCATGGGACGGGGAGAGGTCTCCAGCGCGGTGTTCTATGCTCGGGTGTGGCTCCACCTGCCG
CGAATTCGACCCGCTCTGCAGTCTGTTAACATCTACAACGATCTGAGGGCTTACTTTCCGCGAGTGTCT
CGATGTTGCGAGTCCGGTACGGCGGGCGGGAGTTTAGGGACCTCCCCTTCTGTACCTTCACTAACACATG
CTCATCCGCGATAACATCGAATTCACCTCCGATGAACCACTGCTGCACGGGCTTCTGGACTATGCCAGTA
CTACTGAGAATTACCCCTCTGGGTTACACCCACCTGAACGATTTCTTTGGGATCAGGGGGAAACAGCA
GCCACAGGATGCCGGTCCAGTCCGATGCCCGGCTGATGGTGAAGGATGAAGCCGGTTTGTGTGCTGC
CTGGAGACAATACGAACAAGTTGTATGAGACCATCGAGGACAAAAGCCTCAACCTGTGCTCTATTAGGG
ACTACGGCATATCTTCAAATTGGCCATGACCATCGCCAAGGCACAGGGCCTGAGCCTGAATAAGGTGGC
AATCTGTTTTGGCTCTCACAGAAACATTAACACAGGCCAGTATATGTCGCCCTGTCCAGGGCGCGGCAC
TCAAACCTGTGGTAATGGACCGAATCCTTTGTCCGAAATGATCACCGGAGAAGGAAACCCCGCCAGTG
GATACATCGTGGACGCTTGAAGAATTCTAGGGCTCTGCTCGTTTAT

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC101141 representing YP_401681
 Red=Cloning sites Green=Tags

MAEEPRAPEALSSTFMLNMTSDASVRRIVRRIGTLARRRVQQLPDMETFSPDFPELSEPPFLPFSAYVI
 TGTAGAGKSTSVSCLHHTMDCLVTGATTVAAQNLSQLRAYCPTVYSAFGFKSRHINMTQVSSHGRSTD
 AALEELQRRDLAKYWPVLSDIAAEFRRTKPRGLYSGVSGPAFEVLRDMHQGLWTTNVIIVDEAGTLSVH
 ILTAVVFCYWFNWLRTPLYRRGRIPCIVCVGSPTQTDAFQSSFSHETQVNKIREDNILTFLVGNPRA
 ATYVDVARNWALFINNKRCTDVQFGHLMKTLEYGLELSPDILAYVDRFVVPRAAIMDPAQYVVGWTRFLS
 HAEVKTFLLTTLHATLKTAGQGRAARGTGGDGGGVMTFTCPVECEVFLDPLAQYKTLVGLPGLTAHTWLQK
 NYARLGNYSQFADQDMVPVGTEQDEERVKVTYNVTYVKHSSVSVNCKTKKICGYTGTGDFMDTLEADS
 FVEAHGHEQPEYVYSFLARLIYGGIYAFSHGGHSLCENGEYVAELGAVPLPGRTWDPEVTAGMELGELPL
 EVAWDGERSPAAVFYARVLAPPAANSAPLCSLLNIYNDLRAYFRQCLDVAVRYGGREFRDLPFCTFTNNM
 LIRDNIEFTSDEPLLHGLLDYASTTENYTLLGYTHLNVFFGIRGKQQPDAGSSRMPRLMVKDEAGFVCC
 LEHNTNKL YETIEDKSLNLC SIRDYGISSKLAMTIAKAQGLSLNKVAICFGSHRNIKPGHVYVALSRARH
 SNCVMDRNPLSEMITGEGNPASGYIVDALKNSRALLVY

TRTRRLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-Mlul

Cloning Scheme:


ACCN: NC_007605

ORF Size: 2427 bp

OTI Disclaimer: The molecular sequence of this clone can be viewed by clicking the "ORF Nucleotide Sequence" link above. This sequence represents the NCBI reference after codon optimization for human cell expression, and retaining the same decoded protein sequence. The stop codon in the native sequence was removed to create the in-frame c-terminal fusion with a Myc-DDK tag.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NC_007605.1, YP_401681](#)

RefSeq ORF: 2427 bp

Locus ID: 3783685

UniProt ID: [P03211](#)

MW: 89.9 kDa